

CLAIMS

What is claimed is:

1. A filtering adjunct to a sandwich-type, subterranean drainage device comprising:
a network of stand-off elements that are fixedly disposed on, and project from, a
5 planar surface of the device; and,
a fluid-permeable filter fabric overlain and adhered to tops of the elements, effecting
a filter cover over, and set apart from, said surface.
2. The adjunct of claim 1, wherein said elements are supportive projections selected from
the class of formations consisting of tubules, detents, posts, ribs, elongate fins and
10 sinuous/arced nodules, which are formable by extruding, molding and lay-down
techniques.
3. The adjunct of claim 2, wherein sufficient elements are disposed proximate a
preponderance of apertures in the surface to effect a fixed fabric tent structure.
4. The adjunct of claim 3, wherein the fabric is adhered to the surface at selected non-
15 aperture portions to facilitate cutting of the device.
5. A particulate filtration system for use with a sandwich-type, surface-aperture and
interiorly channeled subterranean drainage device comprising a geo-textile filter fabric
overlying and joined to tops of a plurality of discrete, fixed projections that emanate from
at least one planar surface of the device, and including placement of the projections
20 effectively about any aperture in said surface to effect a stand-off tenting of the fabric
over said aperture.
6. The system of claim 5 further comprising projections of at least one morphology
selected from the class of formations consisting of tubules, detents, posts, ribs, elongate

fins and sinuous/arced nodules, which are formable by extruding, molding and lay-down techniques.

7. The system of claim 6 wherein the fabric is adhered to the surface at selected non-aperture portions to facilitate cutting of the device.

5 8. In a sandwich-type, channeled drainage device that features at least one planar, multi-aperture surface, over which a geo-textile filter fabric is superposed, an improvement characterized by a multiplicity of stand-off elements disposed on and extending in a substantially orthogonal projection from said surface into fixed contacts with said geo-textile filter fabric, thereby effecting a fabric tenting that is discretely held and spaced
10 away from at least a preponderance of apertures in said multi-aperture surface.

9. The improvement of claim 8 wherein the fabric is adhered to the surface at selected non-aperture portions to facilitate cutting of the device.

10. The improvement of claim 8 wherein said elements are projections of varying shapes and sizes so as to present a rigid, fabric-securing support structure proximate said at least
15 a preponderance of apertures.

11. The improvement of claim 10 wherein said varying shapes of said elements are selected from the class of forms consisting of tubules, strings, arcs, ribs and flats.

12. The improvement of claim 10 wherein said varying shapes of said elements are molded into the device.

20 13. The improvement of claim 10 wherein said varying shapes of said elements are extruded with and as an integral part of the device.

14. The improvement of claim 10 wherein said varying shapes of said elements are adhesive in character and are applied to the device after its construction.